Figure 1: **Association [3H]-4MG**

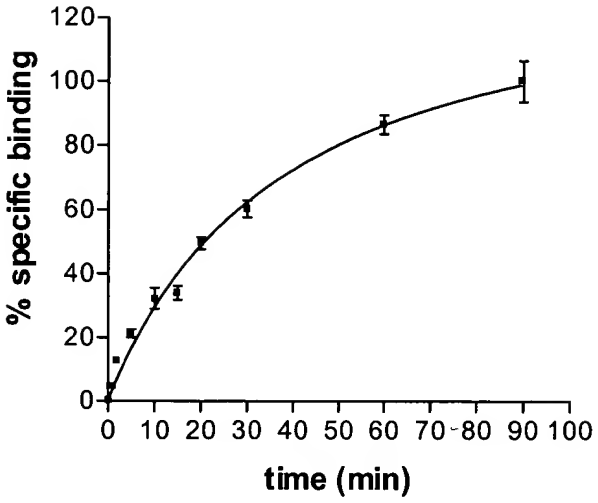


Figure 2: **Dissociation of [3H]-4MG binding**

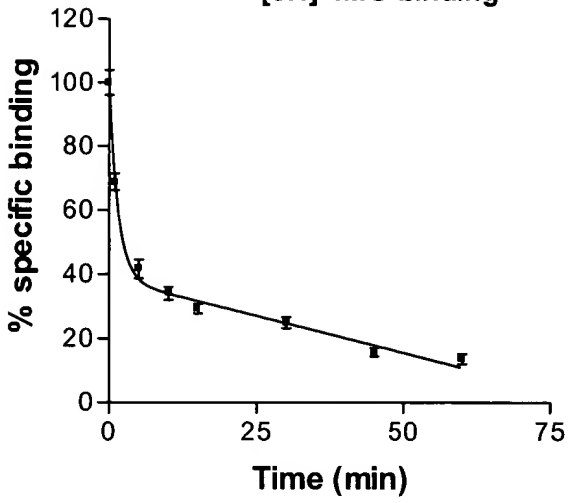


Figure 3: **DRUG INHIBITION OF [3H]-4MG BINDING**

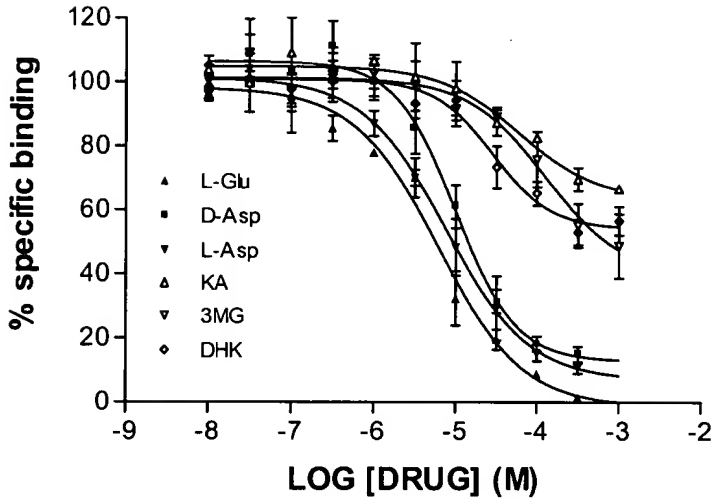


Figure 4: **DRUG INHIBITION of [3H]-4MG BINDING**

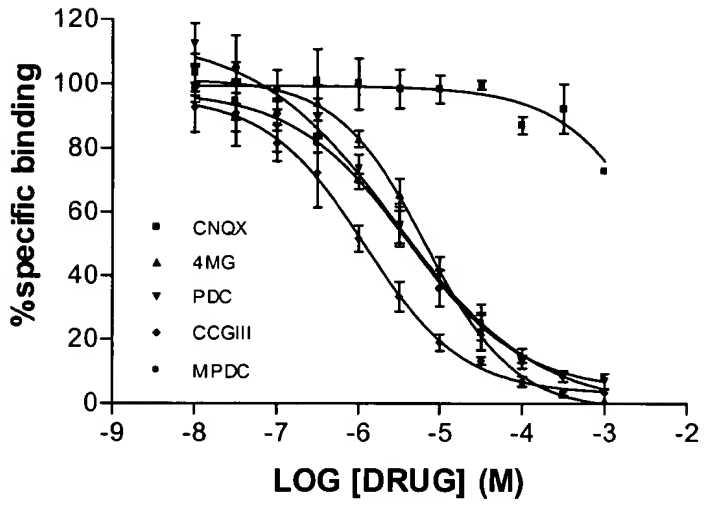
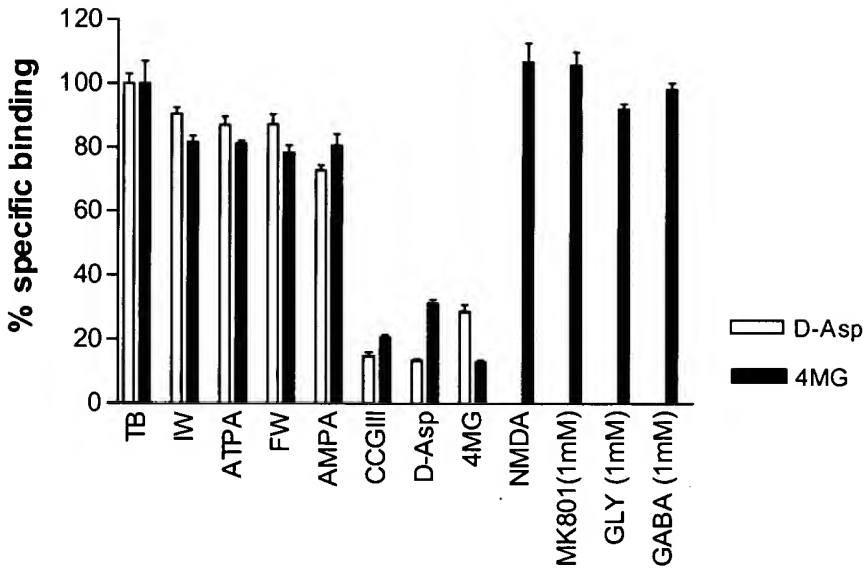


Figure 5 : **COMPARISON of MISCELLANEOUS DRUG INHIBITION of [3H]-D-ASPARTATE and [3H]-4MG**



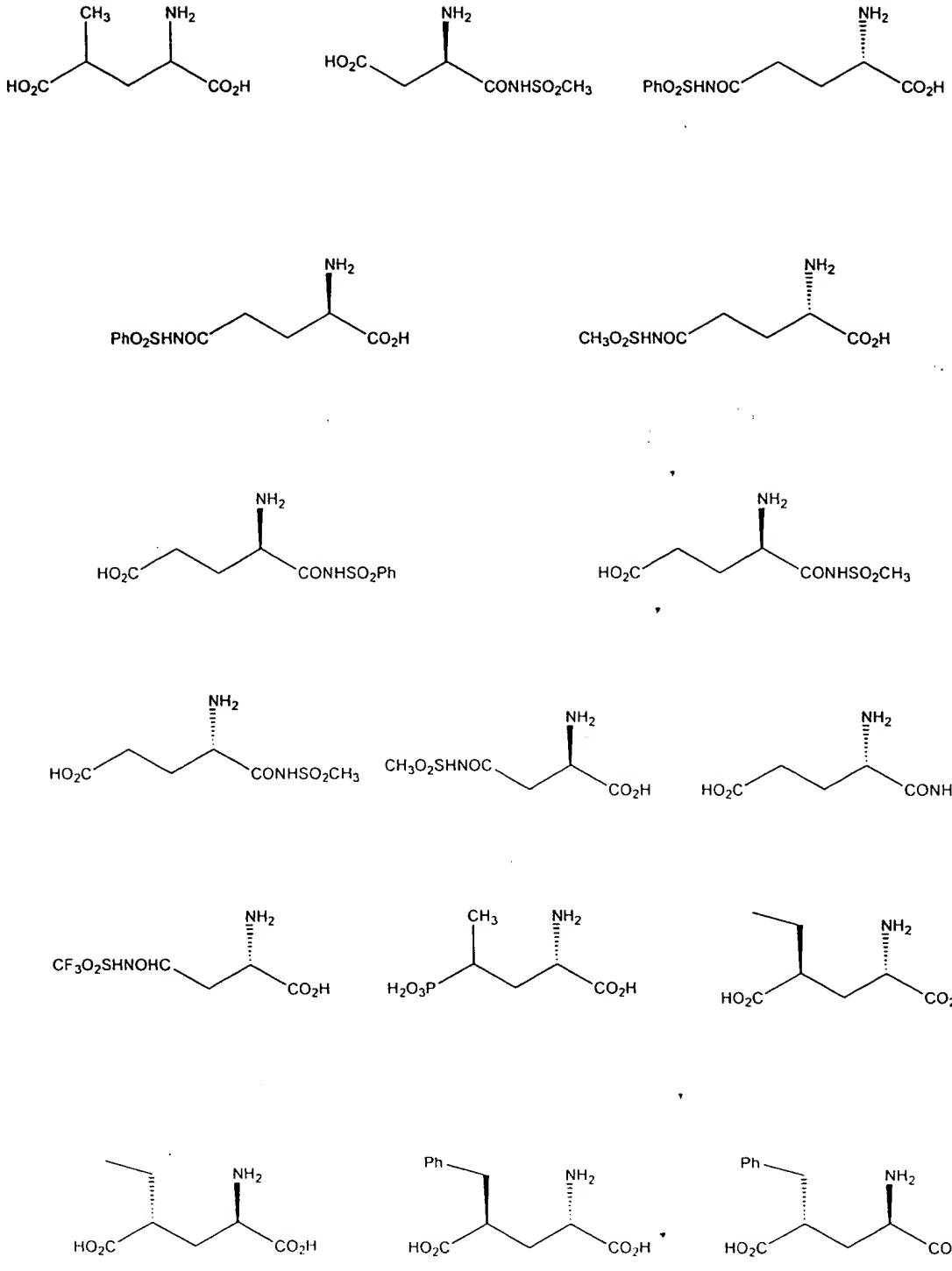

CH3
NH2
HO2C
CO2H
NH2
HO2C
CONHSO2CH3
NH2
PhO2SHNOC
CO2H
NH2
PhO2SHNOC
CO2H
NH2
CH3O2SHNOC
CO2H
NH2
HO2C
CONHSO2Ph
NH2
HO2C
CONHSO2CH3
NH2
HO2C
CONHSO2CH3
NH2
CH3O2SHNOC
CO2H
NH2
HO2C
CONHSO2CF3
NH2
CF3O2SHNOHC
CO2H
CH3
NH2
H2O3P
CO2H
NH2
HO2C
CO2H
NH2
HO2C
CO2H
Ph
NH2
HO2C
CO2H
Ph
NH2
HO2C
CO2H

Figure 6A

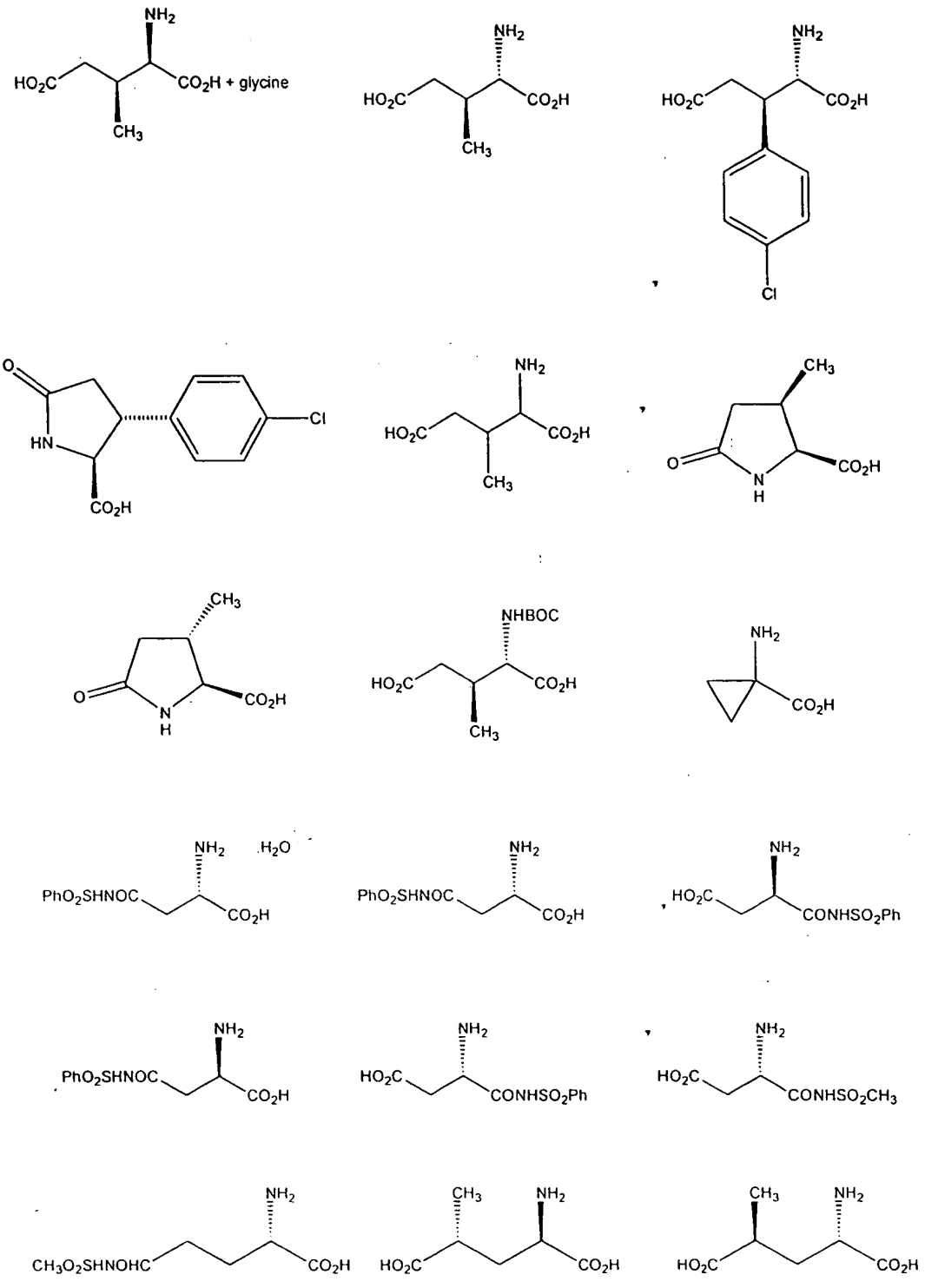

NH2
HO2C
CO2H + glycine
CH3
CO2H
Cl
O
HN
N
H
PhO2SHNOC
H2O
CONHSO2Ph
CONHSO2CH3
CH3O2SHNOHC
NHBOC

Figure 6B

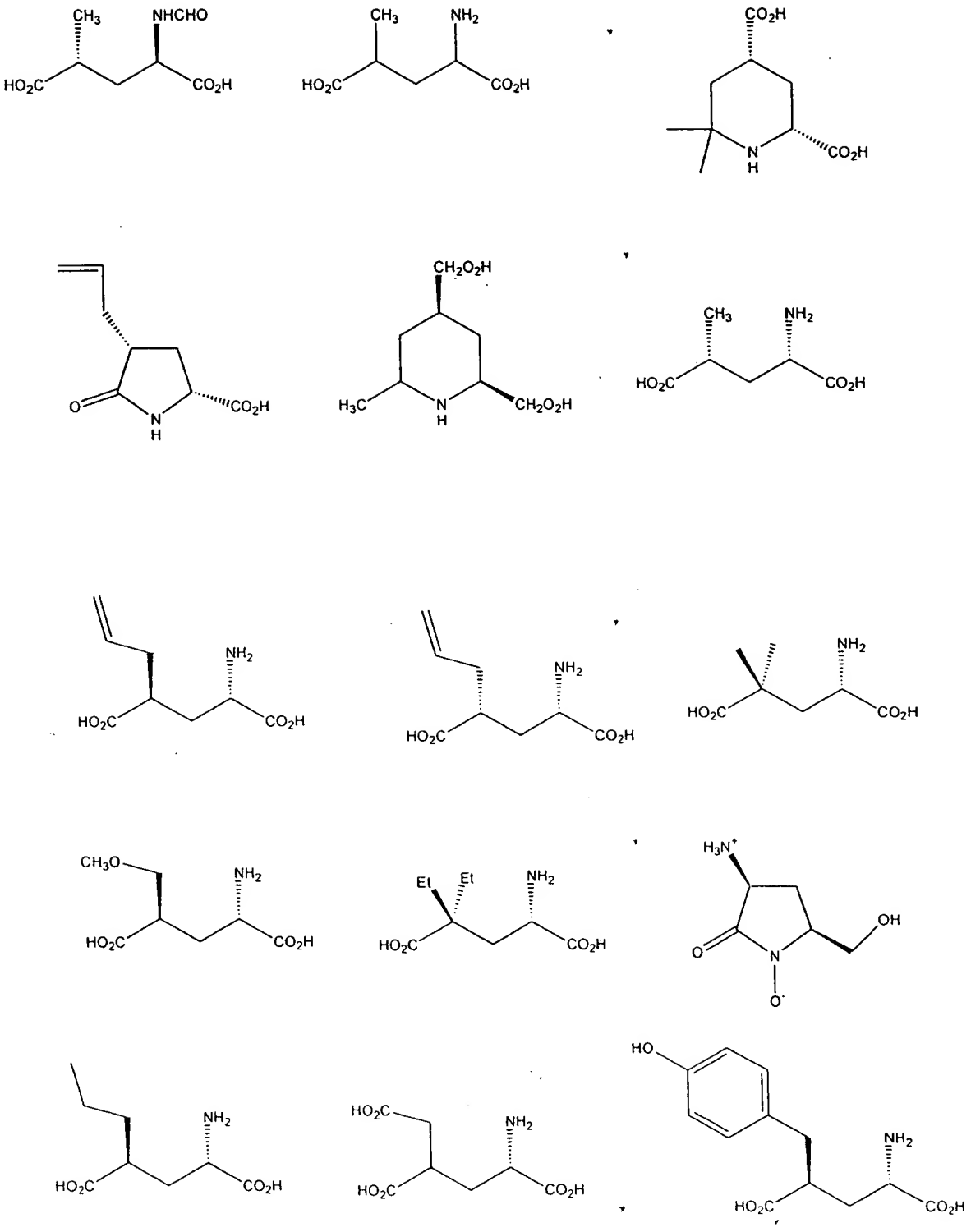


Figure 6C

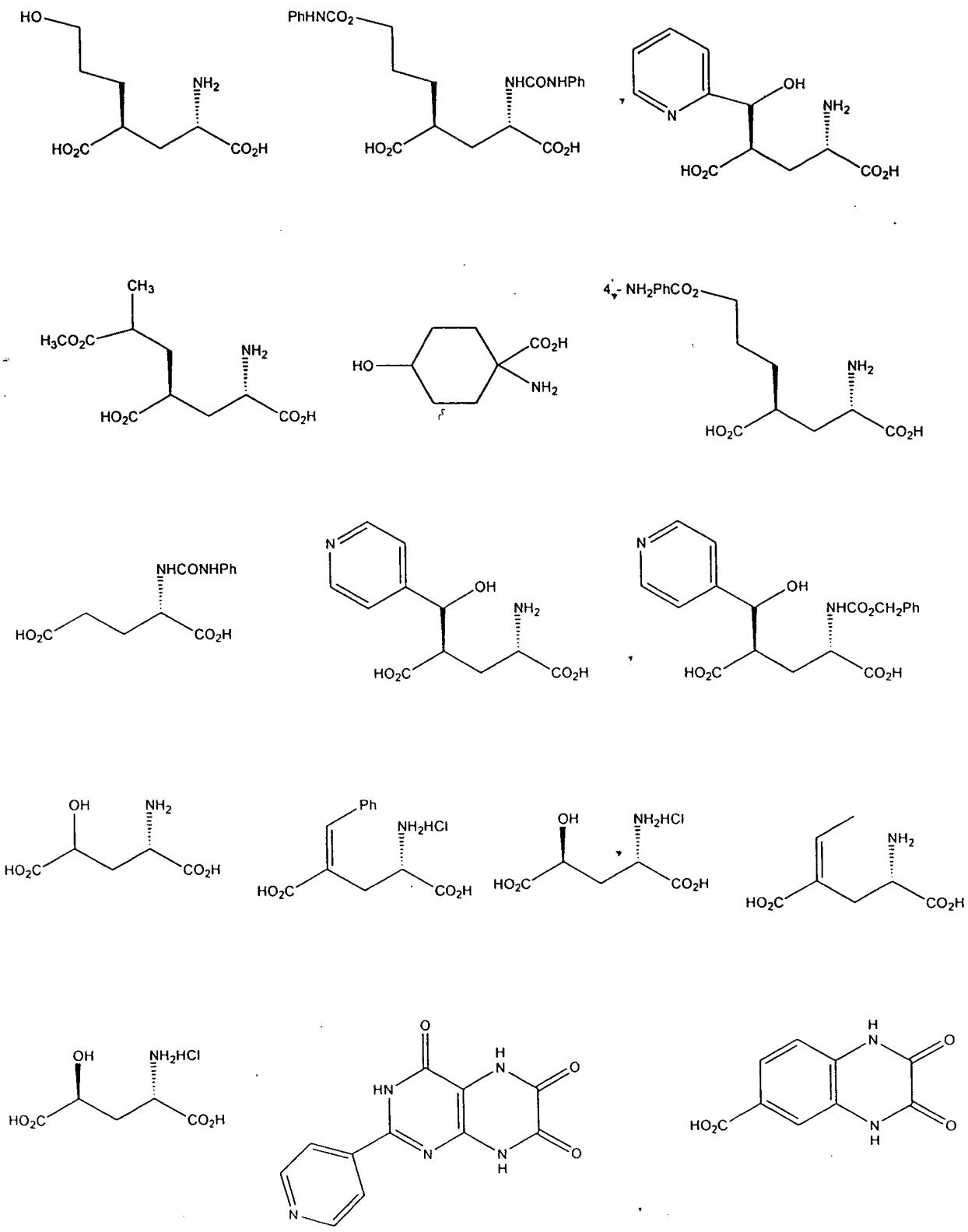


Figure 6D

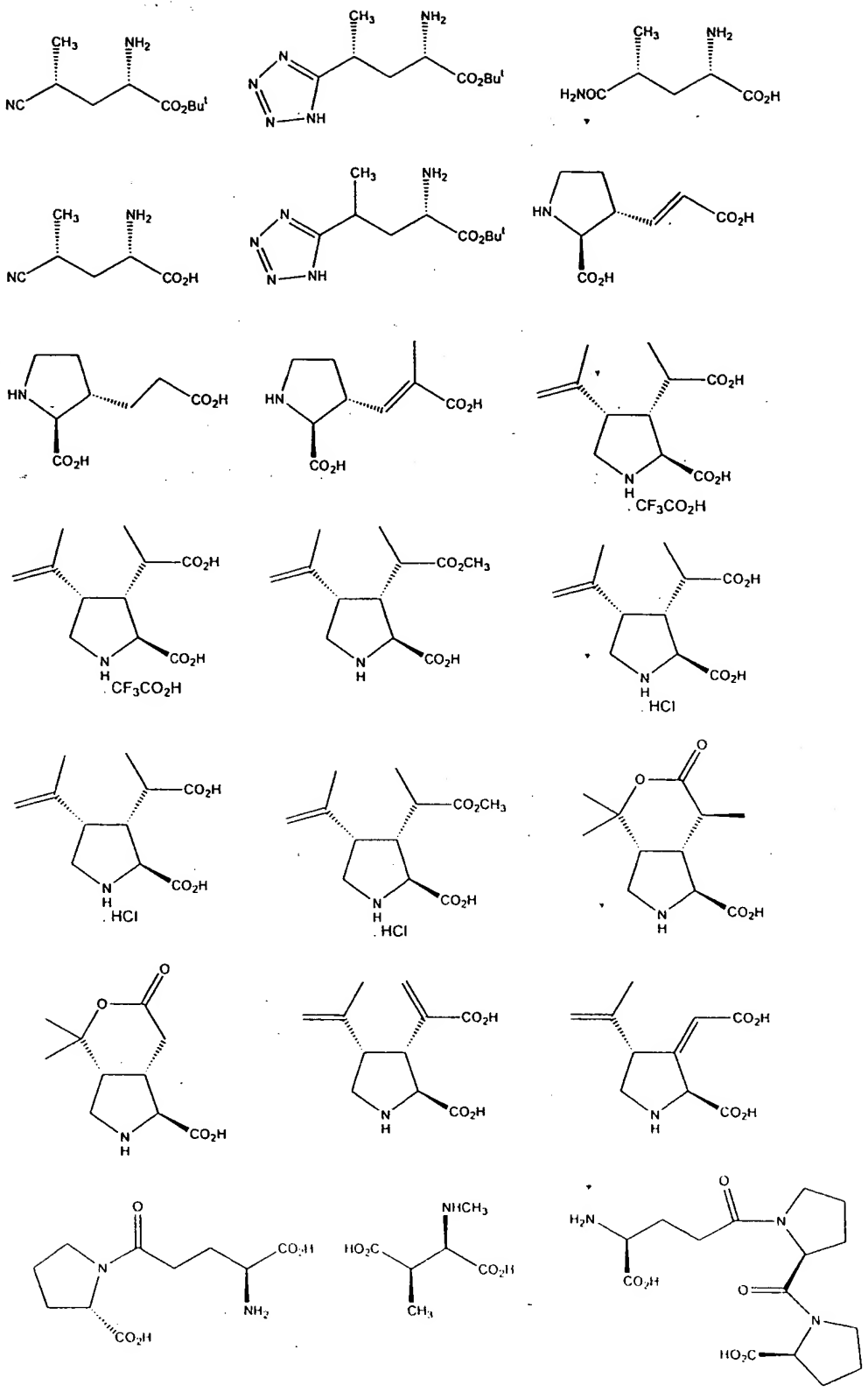


Figure 6E

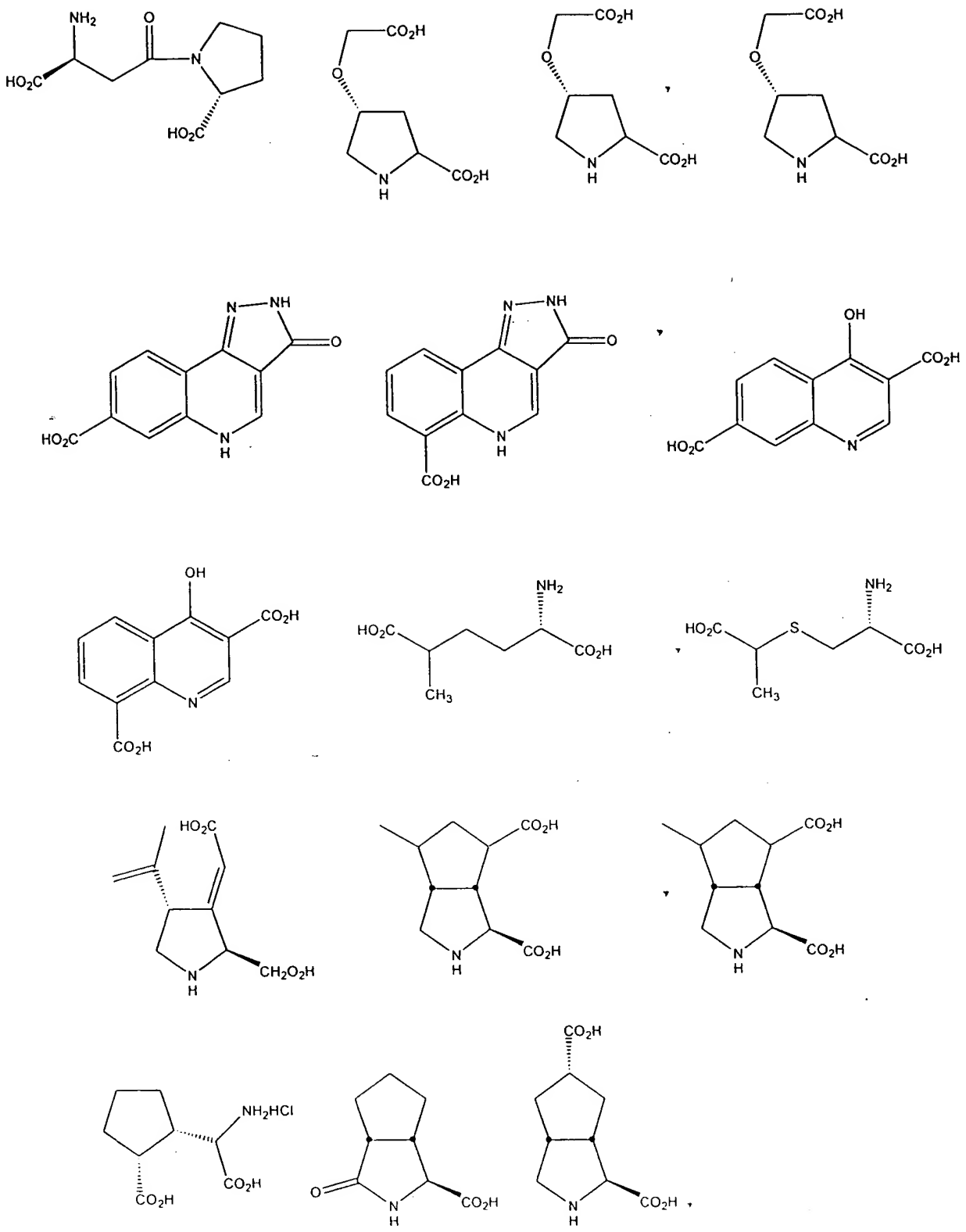


Figure 6F

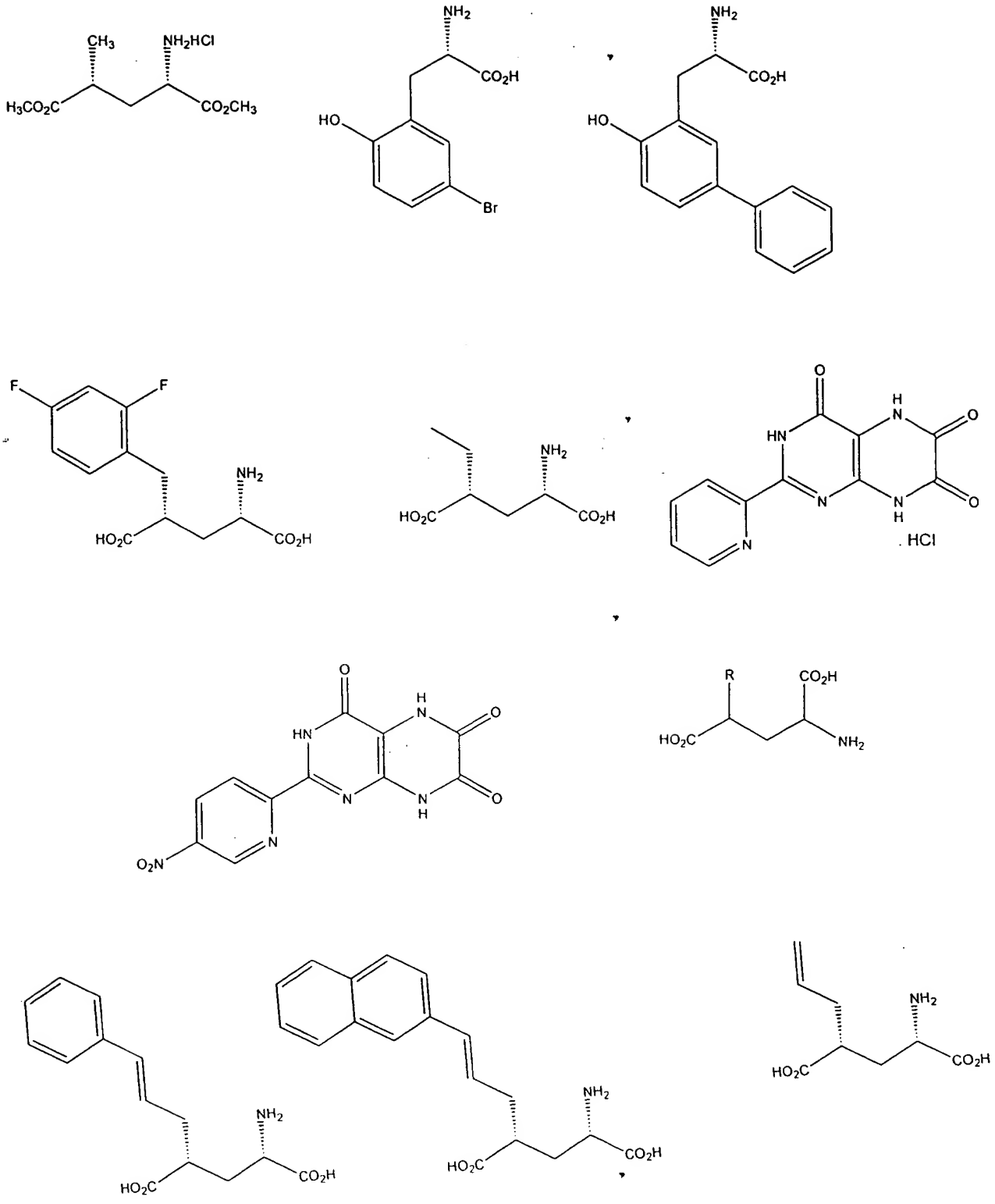
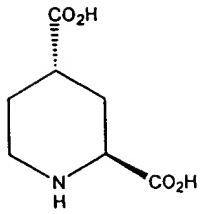
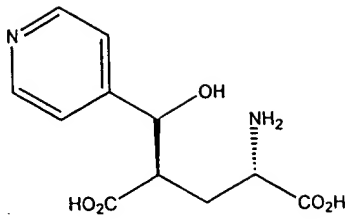
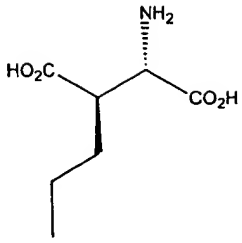
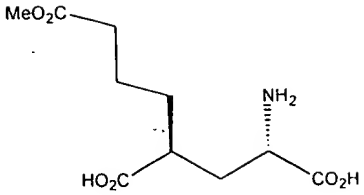

CH3
NH2HCl
H3CO2C
CO2CH3
NH2
CO2H
HO
Br
NH2
CO2H
HO
F
F
NH2
HO2C
CO2H
NH2
HO2C
CO2H
O
H
N
HN
O
N
N
H
O
HCl
O
H
N
HN
O
N
N
H
O
O2N
R
CO2H
HO2C
NH2
NH2
HO2C
CO2H
NH2
HO2C
CO2H
NH2
HO2C
CO2H

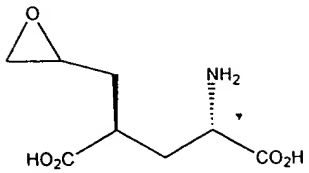
Figure 6G

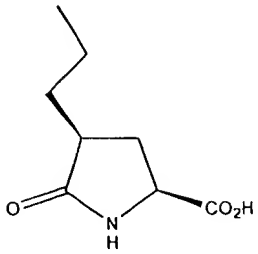

CO2H
N
H
CO2H

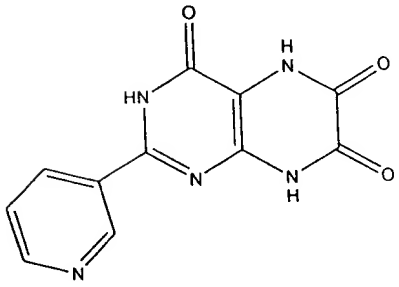

N
OH
NH2
HO2C
CO2H

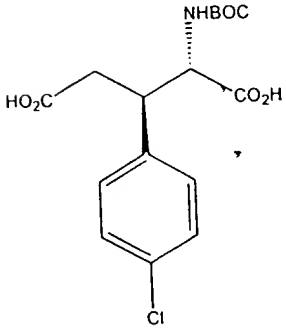

NH2
HO2C
CO2H

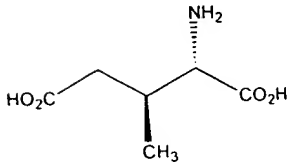

MeO2C
NH2
HO2C
CO2H


O
NH2
HO2C
CO2H


O
N
H
CO2H


O
HN
H
N
O
N
N
H
O
N


NHBOC
HO2C
CO2H
Cl


NH2
HO2C
CO2H
CH3

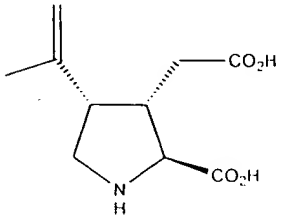
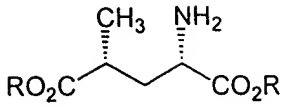
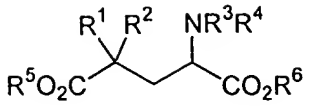
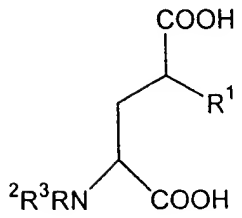

CO2H
N
H
CO2H

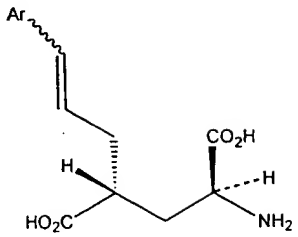
Figure 6H





R = Me, Et, ^{t}Bu



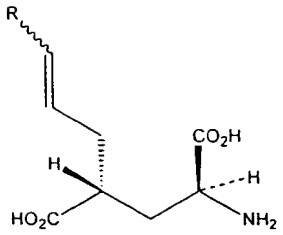


R^1 = CH_3, and halogen

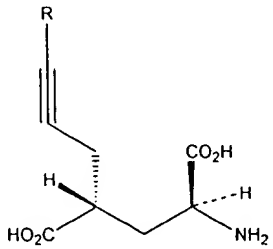
R^2, R^3 are independently

H, C1-C6-alkyl, C3-C4-alkenyl, C3-C5-cycloalkyl, C1-C6-alkyl-CO-, C1-C6-alkyl-OCO-, C1-C6-alkyl-NHCO-, HCO-, or C3-C6-alkynyl

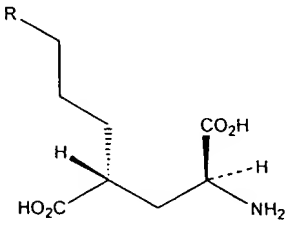
R^2, R^3 taken together can be $-CH_2(CH_2)_pCH_2-$



R = H, Me, Et, Cl



R = H, Me, Et, nPr



R = H, Et, nPr

Figure 6l